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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : John Barrett George and Frank Albert Glad
Filed : Herewith
For : DIGITAL RASTER CORRECTION

PRELIMINARY AMENDMENT

Hon. Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In the US national phase application of PCT/US98/17920 filed
herewith, please enter the following amendments

IN THE CLAIMS:

Please amend the claims (which are the claims as per the International
Preliminary Examination Report) as follows:

5. (AMENDED) A video display apparatus, comprising:

a cathode ray tube [(10)] for displaying an image, having a deflection
correction coil [(GVC)] mounted thereon and coupled to drive amplifier [(107)];

a digital to analog converter [(105)] with an output coupled to said drive
amplifier [(107)];

a memory [(104)] containing displacement values applicable to spaced
points in a grid of rows [(1-13)] and columns [(A-P)], said displacement values for said
columns [(A-P)] generally defining S-shaped correction curves having a maximum value
at two areas of a display screen located substantially between a center axis [(7)] and ones
of top and bottom edges [(2,13)] of the display, said S-shaped correction curves having
substantially zero value at areas adjacent to said center axis [(7)] and said edges [(2,13)];
and,

interpolating means [(102)] for interpolating intervening values adjacent
ones of said displacement values and having an output coupled to said digital to analog
converter [(105)] for generating a corrective signal [(I2corG)] to drive said deflection
correction coil [(GVC)] for locally adjusting a position of said image such that banding
and pincushion distortion are controlled.

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